

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Currently Amended) A data processing system, comprising:

setting means for setting a condition for saving web page data ~~to be saved~~, in advance of acquiring the web page data;

data acquisition means for acquiring web page data of a web page;

determination means for determining whether ~~the acquired web page data satisfies~~ the condition is satisfied;

~~indexing means for assigning a predetermined index to the web page data if the web page data is determined to satisfy the condition, said index dynamically assigned to the web page data; and~~

keyword extraction means for extracting a keyword from a content of the acquired web page data;

indexing means for assigning an index including the extracted keyword to the web page data if the condition is determined to be satisfied; and

saving means for saving the web page data ~~determined to satisfy the condition and the assigned index~~ in correspondence with the assigned index in a predetermined storage unit, the saved web page data being sufficient to regenerate at least a portion of the web page.

Claim 2. (Original) The system according to Claim 1, wherein said data acquisition means acquires data from a browser client, said browser client allowing browsing of data in an internet.

Claim 3. (Original) The system according to Claim 1, wherein the predetermined storage is a database, and said system further comprising data retrieving means for retrieving data from the database based on a user-supplied index, said user-supplied index specified by a user.

Claim 4. (Original) The system according to Claim 1, further comprising:
sorting means for sorting indices of the data in the storage unit; and
display means for displaying a result of the sorting by said sorting means.

Claim 5. (Original) The system according to Claim 4, wherein said sorting means performs the sorting based on a plurality of types of indices.

Claim 6. (Original) The system according to Claim 4, further comprising:
selecting means for selecting an index from the indices displayed on said display means; and
retrieval means for retrieving data corresponding to the index selected by said selecting means from the database.

Claim 7. (Original) The system according to Claim 4, further comprising:

deleting means for deleting at least one index from the indices displayed on said display means; and

removal means for removing data corresponding to the index deleted by said deleting means from the database.

Claim 8. (Original) The system according to Claim 4, wherein at least one of the data has a plurality of values for an index, and said sorting means places the plurality of values at positions corresponding to respective values.

Claim 9. (Original) The system according to Claim 2, said saving means comprising:

folder creation means for creating a new folder for newly browsed data;

file name assigning means for assigning a predetermined name to the newly browsed data without intervention by a user; and

file saving means for saving the newly browsed data in the new folder with the assigned file name.

Claim 10. (Original) The system according to Claim 9, wherein said folder creation means creates the new folder with a folder name created based on a predetermined rule.

Claim 11. (Original) The system according to Claim 10, wherein the folder name is a fixed name.

Claim 12. (Original) The system according to Claim 2, said saving means comprising:

file name generation means for generating a unique file name for the newly browsed data without intervention by a user; and

file saving means for saving the newly browsed data with adding the generated file name.

Claim 13. (Original) The system according to Claim 2, wherein said indexing means acquires a URL of the data from the browser as the index.

Claim 14. (Currently Amended) The system according to Claim 2, wherein said indexing means acquires ~~at least one of a keyword or~~ a title embedded in the data from the browser as the index.

Claim 15. (Previously Presented) The system according to Claim 79, wherein each group corresponds to a network session.

Claims 16. – 17. (Canceled)

Claim 18. (Original) The system according to Claim 13, further comprising word assigning means for assigning a word specified by a user as a further index to the data to be saved by said saving means.

Claim 19. (Original) The system according to Claim 1, wherein if an index assigned to the data to be saved has been assigned to other data, said saving means saves the data as a new data or updates the other data according to a setting by the user.

Claim 20. (Original) The system according to Claim 1, wherein if an index assigned to the data to be saved has been assigned to other data, said saving means inquires to the user whether the data is to be saved as a new data or an updated data.

Claim 21. (Original) The system according to Claim 1, wherein said saving means saves the data in correspondence with an effective period, and said system further comprising:

comparing means for comparing the effective period with a current time at a predetermined timing; and

removal means for removing data in correspondence with the effective period before the current time based upon the result of a comparison by said comparing means.

Claim 22. (Original) The system according to Claim 21, wherein the predetermined timing is a time when the system accepts no operations by a user.

Claim 23. (Original) The system according to Claim 21, wherein said removal means requests a user to confirm the removal of the data and removes the confirmed data.

Claim 24. (Original) The system according to Claim 21, wherein said removal means requests a user to confirm the removal of the data or removes the data without confirmation by the user in accordance with a setting by the user.

Claim 25. (Original) The system according to Claim 21, wherein if the effective period is not specified by the user, said saving means saves the data in correspondence with a non-limited effective period.

Claim 26. (Previously Presented) The system according to Claim 2, wherein said saving means saves the browsed data in a first save mode and saves a URL for the browsed data in place of the browsed data in a second save mode.

Claim 27. (Previously Presented) The system according to Claim 2, wherein said setting means sets whether or not data linked to the browsed data is to be saved with the browsed data.

Claim 28. (Previously Presented) The system according to Claim 2, wherein said setting means can set to save all the browsed data without any instruction for each of the browsed data by the user.

Claim 29. (Original) The system according to Claim 28, wherein said saving means saves the browsed data when the browsing is operated to move to another URL.

Claim 30. (Previously Presented) The system according to Claim 28, wherein said setting means can set not to save the browsed data in a URL specified by the user.

Claim 31. (Previously Presented) The system according to Claim 2, further comprising index extracting means for extracting as an index a specific data from a data train constituting address of the browsed data in the network on the basis of a predetermined rule.

Claim 32. (Previously Presented) The system according to Claim 31, wherein the specific data is a domain name.

Claim 33. (Original) The system according to Claim 32, wherein the predetermined rule is a rule for eliminating a parameter, a protocol, an obvious address, and page data from the data train, and extracting a domain name from the rest of the data with referring to a knowledge base of domain names.

Claim 34. (Original) The system according to Claim 31, wherein the specific data is a name of organization.

Claim 35. (Original) The system according to Claim 34, wherein the predetermined rule is a rule for eliminating a parameter, a protocol, an obvious address, page data, and domain name from the data train, and determining the rest of the data as an organization name.

Claim 36. (Original) The system according to Claim 35, wherein the predetermined rule includes a rule for dividing the rest of the data into partial data with a predetermined symbol and determining each of the partial data as an organization name.

Claim 37. (Original) The system according to Claim 1, further comprising sending means for sending the acquired data or a specific part thereof to a destination.

Claim 38. (Original) The system according to Claim 37, wherein the specific part is a URL of the saved data.

Claim 39. (Original) The system according to Claim 37, wherein the specific part is the saved data except for an embedded image.

Claim 40. (Original) The system according to Claim 2, further comprising editing means for editing the browsed data.

Claim 41. (Original) The system according to Claim 40, wherein said editing means includes annotation means for adding an annotation to the browsed data.

Claim 42. (Original) The system according to Claim 41, wherein said annotation means adds an annotation in such a manner that the annotation is distinguishable from the browsed data.

Claim 43. (Original) The system according to Claim 40, wherein said editing means includes changing means for changing a display form of a designated portion in the browsed data.

Claim 44. (Original) The system according to Claim 2, further comprising:
extraction means for extracting a predetermined type of data from the browsed data; and
extracted data saving means for saving the extracted data in the database.

Claim 45. (Original) The system according to Claim 44, wherein said extraction means extracts data in a predetermined column in response to a copying operation of data from a specified portion of the browsed data to the predetermined column, and said extracted data saving means saves the extracted data with an attribute corresponding to the predetermined column.

Claim 46. (Original) The system according to Claim 44, wherein the predetermined type of data includes at least one of an organization name, a person name, an E-mail address, a telephone number, a Fax number, and a keyword appended to the data.

Claim 47. (Original) The system according to Claim 2, wherein if the data requested to be saved includes data in other URL, said saving means downloads the included data from the other URL.

Claim 48. (Original) The system according to Claim 47, wherein if the data in the other URL has been downloaded, said saving means dispenses with the downloading of the data.

Claim 49. (Original) The system according to Claim 2, further comprising mode selection means for selecting an automatic save mode, and in the automatic save mode, said determination means always determines the user requests to save the browsed data without instruction for each of the browsed data.

Claim 50. (Original) The system according to Claim 3, wherein said data acquisition means, said determination means, said indexing means, said saving means, and said database are equipped in a server apparatus, and said system further comprising at least one client apparatus connected to said server apparatus, each of said client apparatus transmits a user request to said server apparatus and receives a response to the user request from said server apparatus.

Claim 51. (Original) The system according to Claim 50, wherein said data acquisition means in said server apparatus acquires data in an internet.

Claim 52. (Previously Presented) The system according to Claim 50, wherein said server apparatus further comprising:

a local database;

a web information storage device for storing web information acquired from an internet: and

administration means for administrating data in either of said database, said local database, and said web information storage device.

Claim 53. (Original) The system according to Claim 52, wherein at least one of said client apparatus further comprising:

a client local database;

a client web information storage device for storing web information acquires from an internet: and

client administration means for administrating data in either of said database, said local database, and said web information storage device.

Claim 54. (Original) The system according to Claim 3, wherein said database is equipped in a server apparatus, and said data acquisition means, said determination means, said indexing means, and said saving means are equipped in at least one client apparatus connected to said server apparatus.

Claim 55. (Original) The system according to Claim 3, wherein said system includes a plurality of client apparatuses, and said data acquisition means, said determination means, said indexing means, said saving means, and said database are equipped in each of said client apparatuses, and each of said client apparatuses can access the database equipped in another client apparatus.

Claim 56. (Original) The system according to Claim 3, wherein said database is equipped in a server apparatus, and index database for storing the indices of said database is equipped in at least one client apparatus connected to said server apparatus.

Claim 57. (Previously Presented) The system according to Claim 3, wherein said data acquisition means, said determination means, said indexing means, said saving means, and said database are equipped in a server apparatus, said data acquisition means acquires data in an internet, and said system further comprising at least one browser connected to said server apparatus, each of said browser browses a web page in the internet via said server apparatus and transmits a user action on the browsed web page to said server apparatus.

Claim 58. (Canceled)

Claim 59. (Currently Amended) A storage medium storing computer-executable program for controlling a computer to perform data processing, said program comprising codes for causing the computer to perform:

a setting step of setting a condition for saving web page data ~~to be saved~~, in advance of acquiring the web page data;

a data acquisition step of acquiring web page data of a web page;

a determination step of determining whether ~~or not the acquired web page data~~ satisfies the condition is satisfied;

~~an indexing step of assigning a predetermined index to the web page data if the web page data is determined to satisfy the condition, without inputting any index; and~~

an extraction step of extracting a keyword from a content of the acquired web page data;

assigning an index including the extracted keyword to the web page data if the condition is determined to be satisfied; and

~~a saving step of saving the web page data determined to satisfy the condition with the assigned index in correspondence with the assigned index in a predetermined storage unit, the saved web page data being sufficient to regenerate at least a portion of the web page.~~

Claim 60. (Currently Amended) A data processing method comprising:

setting a condition for saving web page data ~~to be saved~~, in advance of acquiring the web page data;

acquiring web page data of a web page;

determining whether ~~the acquired web page data~~ satisfies the condition is satisfied;

~~assigning a predetermined index to the web page data if the web page is determined to satisfy the condition; and~~

extracting a keyword from a content of the acquired web page data;

assigning an index including the extracted keyword to the web page data if the condition is determined to be satisfied; and

saving the web page data ~~determined to satisfy the condition with the assigned index~~ in correspondence with the assigned index in a predetermined storage unit, the saved web page data being sufficient to regenerate at least a portion of the web page.

Claim 61. (Currently Amended) The method of Claim 60, wherein said ~~predetermined~~ index is dynamically generated.

Claim 62. (Original) The method of Claim 61, wherein said predetermined storage unit is a database.

Claim 63. (Currently Amended) The method of Claim 62, further comprising the step of retrieving data from said database based on a user-supplied index.

Claim 64. (Currently Amended) The method of Claim 62, further comprising the steps of:

sorting indices of the data saved in the database; and

displaying a result of said sorting indices on a display unit.

Claim 65. (Original) The method of Claim 64, wherein said sorting is performed on a plurality of index types.

Claim 66. (Currently Amended) The method of Claim 65, further comprising the steps of:

selecting an index from the indices displayed; and
retrieving data corresponding to the index selected from the database.

Claim 67. (Currently Amended) The method of Claim 66, further comprising
the steps of:

deleting at least one index from the indices displayed on said display unit; and
removing data corresponding to said deleted index from the database.

Claim 68. (Currently Amended) The method of Claim 67, further comprising
the step of assigning a user-specified word as a second index for the data to be saved.

Claim 69. (Currently Amended) The method of Claim 68, further comprising
the step of sending the acquired data to a predetermined destination.

Claim 70. (Currently Amended) The method of Claim 68, further comprising
the step of sending a specific part of the acquired data to a predetermined destination.

Claim 71. (Original) The method of Claim 60, wherein said data is acquired
from a browser client, said browser client allowing browsing of data in an internet.

Claim 72. (Currently Amended) The method of Claim 71, further comprising
the step of creating a new folder for newly browsed data in said storage unit.

Claim 73. (Currently Amended) The method of Claim 72, further comprising the step of assigning a predetermined file name to said newly browsed data.

Claim 74. (Currently Amended) The method of Claim 73, further comprising the step of saving said newly browsed data in said new folder with said predetermined file name.

Claim 75. (Currently Amended) The method of Claim 74, further comprising the step of editing the browsed data.

Claim 76. (Original) The method of Claim 75, wherein said editing includes adding an annotation to the browsed data, said annotation is distinguishable from the browsed data.

Claim 77. (Currently Amended) The method of Claim 71, further comprising the steps of:

extracting a predetermined type of data from the browsed data; and
saving the extracted data in the storage unit.

Claim 78. (Currently Amended) The system according to Claim 14, wherein said indexing means displays the extracted keyword or the title acquired from the browser.

Claim 79. (Previously Presented) The system according to Claim 1, wherein the index includes a time when the data is saved, said system further comprising:

node creation means for creating nodes corresponding to groups classified on the basis of the timing of saving, said node creation means creates a hierarchy of nodes by dividing a group corresponding to a period into a plurality of sub group each corresponding to a shorter period and creating a node corresponding to each of sub group; and

node displaying means for displaying a plurality of nodes created by said node creation means in an order of saving.

Claim 80. (Previously Presented) A data processing method comprising the steps of:

extracting data within a predetermined meta tag from a web page retrieved by a browser; and

displaying, when the retrieved web page is displayed in an area, the extracted data in a predetermined field outside of the area.

Claim 81. (Previously Presented) The method according to Claim 80, further comprising the step of saving the displayed web page in a storage unit in correspondence with the data displayed in the predetermined field as an index.

Claim 82. (Previously Presented) The method according to Claim 80, wherein the predetermined meta tag is that of a keyword for the web page.

Claim 83. (Previously Presented) The method according to Claim 80, wherein the predetermined meta tag is that of a title for the web page.

Claim 84. (Previously Presented) The method according to Claim 80, further comprising the steps of:

displaying a list of indices for web pages saved in the storage unit;

receiving from a user a designation of an index in the displayed list of indices;

and

displaying the web page corresponding to the designated index.

Claim 85. (Previously Presented) The method according to Claim 84, wherein the list of indices is displayed in another area when the retrieved web page is displayed in the area.

Claim 86. (Previously Presented) The method according to Claim 84, further comprising the steps of:

sorting the list of indices; and

displaying the sorted list of indices.

Claim 87. (Previously Presented) The method according to Claim 80, further comprising the step of editing the displayed web page.

Claim 88. (Previously Presented) The method according to Claim 87, wherein said editing step, an annotation is added to the displayed web page.

Claim 89. (Previously Presented) The method according to Claim 80, further comprising the step of sending the displayed web page or a part thereof to a specified destination.

Claim 90. (Previously Presented) The method according to Claim 89, wherein said sending step is performed using an e-mail.

Claim 91. (Previously Presented) The method according to Claim 89, wherein the displayed web page except for an embedded data is send in said sending step.

Claim 92. (Previously Presented) The method according to Claim 80, wherein a URL of the displayed web page is saved instead of the web page in said saving step.

Claim 93. (Currently Amended) A storage medium storing computer-executable program for controlling a computer to perform data processing, said program comprising codes for causing the computer to perform the steps of:

data acquisition ~~means for~~ step of acquiring web page data of a web page;

determination ~~means for~~ step of determining whether a user requests saving of the acquired web page data;

~~indexing means for assigning a predetermined index to the data requested for saving, said index dynamically assigned to the data; and~~

an extraction step of extracting a keyword from a content of the acquired web page data requested for saving;

an assigning step of assigning an index including the extracted keyword to the web page data if it is determined that the user requests saving of the acquired web page data; and
a saving means step of saving the requested data and the assigned index in correspondence with the assigned index in a predetermined storage unit, the saved web page data being sufficient to regenerate at least a portion of the web page.

Claim 94. (New) The system according to Claim 1, further comprising:
receiving means for receiving an index; and
search means for searching the predetermined storage unit for web page data stored in correspondence with the same index as the received index.

Claim 95. (New) The system according to Claim 94, wherein said receiving means receives the index input by a user.

Claim 96. (New) The system according to Claim 1, further comprising save instruction receiving means for receiving a save instruction from a user, wherein said indexing means assigns the index to the web page data and said saving means saves the web page data if the save instruction is received.

Claim 97. (New) The method of Claim 60, further comprising the steps of:
receiving an index; and
searching the predetermined storage unit for web page data stored in correspondence with the same index as the received index.

Claim 98. (New) The method of Claim 97, wherein in said receiving step, the index input by a user is received.

Claim 99. (New) The method of Claim 60, further comprising the step of receiving a save instruction from a user, wherein the index is assigned to the web page data in said assigning step and the web page data is saved in said saving step if the save instruction is received.